

# Course of Study Aircraft Systems Engineering (Study Cohort w20)

Sample course plan B Master Aircraft Systems Engineering (FSTMS)

		Core Qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory							
		Core Qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement							
Specialisation Avionic Systems		Form	Hrs/wk	Semester 2		Form	Hrs/wk	Semester 3		Form	Hrs/wk	Semester 4		Form	Hrs/wk
1	<b>Aircraft Energy Systems (FS1)</b>			<b>Flight Physics (part 2)</b>				<b>System Development Projekt</b>				<b>Master Thesis</b>			
2	Aircraft Systems I	VL	3	Flight Mechanics II	VL	2	Systems Engineering Development Project I+II	PBL	12						
3	Aircraft Systems I	HÜ	2	Flight Mechanics II	HÜ	1									
4				<b>Aircraft Design (part 2)</b>											
5				Aircraft Design II	VL	2									
6				Aircraft Design II	HÜ	1									
7	<b>Flight Physics (part 1)</b>			<b>Flight Control Systems (FS2)</b>											
8	Aerodynamics and Flight Mechanics I	VL	3	Aircraft Systems II	VL	3									
9				Aircraft Systems II	HÜ	2									
10	<b>Aircraft Design (part 1)</b>			<b>Systems Engineering</b>			<b>Aircraft Systems Engineering (part 2)</b>	Selection from a catalog							
11	Aircraft Design I	VL	2		Systems Engineering	VL			3						
12	Aircraft Design I	HÜ	1		Systems Engineering	HÜ			1						
13	<b>Aircraft Cabin Systems</b>			<b>Computer Architecture</b>					VL 2	PBL 2	GÜ 1				
14	Aircraft Cabin Systems	VL	3		Computer Architecture	VL							2		
15	Aircraft Cabin Systems	HÜ	1		Computer Architecture	PBL							2		
16				Computer Architecture	GÜ	1									
17				<b>Advanced Topics in Control</b>			VL 2	GÜ 2							
18					Advanced Topics in Control	VL			2						
19	<b>Avionics for safety-critical Systems</b>				Advanced Topics in Control	GÜ			2						
20	Avionics of Safty Critical Systems	VL	2	<b>Aircraft Systems Engineering (part 1)</b>			Selection from a catalog								
21	Avionics of Safty Critical Systems	GÜ	1		Embedded Systems	VL		3							
22	Avionics of Safty Critical Systems	PR	1		Embedded Systems	GÜ		1							
23															
24															
25															
26															
27															
28															
29															
30															
Business & Management (from catalogue) - 6LP															
Non-technical Courses for Master (from catalogue) - 6LP															

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

